

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

INVENTORS: Borran

SERIAL NO.:

FILED: Concurrently

TITLE: "Multiple-Antenna Partially Coherent Constellations for Multi-Carrier Systems"

ATTORNEY DOCKET NO.: 873.0130.U1(US)

ART UNIT:

EXAMINER:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450


INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to Sections 609 and 707.05(b) of the MPEP and 37 CFR 1.97-1.99, the attached form PTO-1449 lists documents, which may be pertinent to the invention as claimed in the above-identified application. A copy is herewith submitted of the non-US documents.

The citation of these documents should not be construed as a representation that a thorough search has been made, or that other, more pertinent material is not available.

Respectfully submitted,

  
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**INFORMATION DISCLOSURE  
CITATION FORM FOR  
PATENT APPLICATION  
(FORM PTO-1449)  
(Substitute)**

Docket No.: 873.0130.U1(US)

Serial No.:

Applicant(s): Borran et al.

Filing Date: Concurrently

Group:

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials | Document Number<br>(Number-Kind Code) | Publication Date<br>(MM-DD-YYYY) | Name of Patentee or Applicant | Class | Sub-class |
|----------------------|---------------------------------------|----------------------------------|-------------------------------|-------|-----------|
|                      | US-                                   |                                  |                               |       |           |
|                      | US-                                   |                                  |                               |       |           |
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|                      | US-                                   |                                  |                               |       |           |
|                      | US-                                   |                                  |                               |       |           |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials | Document Number<br>(Country Code-Number-Kind Code) | Publication Date<br>(MM-DD-YYYY) | Name Of Patentee of Applicant | Translation?<br>Yes/No/n/a |
|----------------------|--|----------------------------------|-------------------------------|----------------------------|
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|                      | - -  |                                  |                               |                            |
|                      | - -  |                                  |                               |                            |
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**OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)**

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|  | T. M. COVER and J. A. THOMAS, "Elements of Information Theory", Wiley Interscience, 1991.                                      |
|  | ALBERT M. CHAN and INKYU LEE, "A New Reduced-Complexity Sphere Decoder for Multiple Antenna Systems", IEEE, 2002, pp. 460-464. |
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Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.  
Include a copy of this citation form with your next correspondence to the Applicant(s).